

Monoclonal Anti-SARS Coronavirus/SARS-Related Coronavirus 2 Spike Glycoprotein Receptor Binding Domain (RBD), Chimeric Antibody (produced *in vitro*)

Catalog No. NR-53789

Sino Biological Catalog No. 40150-D001

Product Description:

Antibody Class: IgG1k

Clone: D001

Chimeric monoclonal antibody prepared against the severe acute respiratory syndrome coronavirus (SARS-CoV) spike (S) glycoprotein receptor binding domain (RBD) was produced using recombinant antibody technology. The variable region was obtained from mice immunized with purified recombinant SARS-CoV spike RBD protein (Sino Biological 40150-V08B2) to produce the variable region, which was combined with constant domains of the human IgG1 molecule. NR-53789 is specific to the SARS-CoV spike RBD protein and shows cross reactivity in ELISA with the SARS-CoV spike S1 protein, the SARS-CoV-2 spike RBD protein and the SARS-CoV-2 spike S1 protein, with no cross reactivity with the spike S1 proteins from MERS-CoV, HCoV-HKU1 (isolates N1 and N5), HCoV-NL63 or HCoV-229E, or the HCoV-OC43 spike S1 + S2 ectodomain (ECD) protein.

Lot: MA15SE2301

Manufacturing Date: 23SEP2021

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1.1 mg per mL
Functional Activity ELISA ICC/IF FCM	Report results Report results Report results	Reactive ¹ Reactive ² Reactive ³
Sterility	0.2 µm filter-sterilized	0.2 µm filter-sterilized

¹Using a 1:5000-1:10000 dilution of NR-53789

²Using a 1:20-1:100 dilution of NR-53789

³Using a 1:25-1:100 dilution of NR-53789

/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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